



पृथ्वी विज्ञान मंत्रालय, भारत सरकार  
Ministry of Earth Sciences, Govt. of India  
भारतीय उष्णदेशीय मौसम विज्ञान संस्थान  
INDIAN INSTITUTE OF TROPICAL METEOROLOGY (IITM),  
डॉ होमी भाभा मार्ग, पाषाण पुणे -411008 /  
Dr. Homi Bhabha Road, Pune-411008  
Advertisement Number: PER /07/2023

**PHASE - III**

**RECRUITMENT OF VARIOUS PROJECT POSTS PURELY ON SHORT TERM CONTRACT BASIS**

The Indian Institute of Tropical Meteorology (IITM) is an Autonomous Research Organization fully funded by Ministry of Earth Sciences, New Delhi. It is a premier Institute of National and International repute, devoted to research in various aspects of Atmospheric Sciences with emphasis on tropical meteorology, particularly on the Climate Change and Indian Monsoon.

It is proposed to recruit the following posts as detailed below:

Sr. No	Name of Post	Pay	No of posts	Age In Years
1	Project Scientist -III	₹78,000/- + HRA	03	45
2	Project Scientist -II	₹ 67,000/- + HRA	05	40
3	Project Scientist -I (SC- 3, ST-1 & EWS-1)	₹ 56,000/- + HRA	09	35
4	Senior Project Associate	₹ 42,000/- + HRA	01	40
5	Project Associate-II	₹ 35,000/- + HRA* ₹ 28,000/- + HRA	02	35
6	Project Associate-I (SC- 6, ST-1, OBC- 7, & EWS-2)	₹ 31,000/- + HRA * ₹ 25,000/- + HRA	32	35
7	Project Manager	₹ 1,25,000/- # Consolidated	01	Min - 45 Years Max- 63 Years
8	Project Consultant	₹ 78,000/- # Consolidated	01	
9	Program Manager	₹ 78,000/- # Consolidated	01	
	<b>Total Posts</b>		<b>55</b>	

*\*[Emoluments for Candidates having NET/CSIR-UGG / GATE or having passed national level examination conducted by Central Govt. Dept. and their agencies and Institutions]*

*# Emoluments in r/o Project Manager/ Project Consultant/ Program Manager in case of retired employee being appointed will be fixed as per the Govt. Of India instructions*

- The number of vacancies mentioned in the advertisement may vary depending upon the requirements of the project.
- The appointment is purely on temporary and contractual basis initially for a period of one year. Extension of tenure is co-terminous with the project period and subject to the satisfactory performance.
- **Aspiring candidates may submit their applications along with their CV online only:**  
<http://www.tropmet.res.in/Careers>
- **Hard copy of the applications will not be accepted.**
- **Other relevant details about the posts are available under [www.tropmet.res.in/Careers](http://www.tropmet.res.in/Careers)**  
**Facility for submitting online applications for the posts will commence on 21<sup>st</sup> November, 2024 (1700 hrs.)**

## **INSTRUCTIONS**

1. The last date of submission of online application is **5<sup>th</sup> December, 2024 (1700 hrs.)**. The last date is the cut of date for all purposes including age/qualification/experience etc.
2. Only Indian Nationals are eligible to apply.
3. Mere possession of required qualification will not entitle the candidates to be selected for interview. If the number of applications received in response to advertisement is large, it will not be convenient or possible for the selection Board to interview or conduct written test for all those candidates. The Institute may short list the candidates to a reasonable limit based on the essential and desirable qualifications / record of academic performance / relevant experience for the post or any other benchmarks as decided by a committee constituted to screen the applications.
4. No correspondence will be entertained with candidates who are not called for Interview.
5. Upper age limit is relaxed for SC/ST/ OBC/Physically Handicapped persons/Ex- servicemen as per Government of India norms.
6. Experience claim should be supported by valid documentation.
7. Selection will be on the basis of performance of the screened in candidates, in the online/ offline interview.
8. Candidates must produce all original documents as proof of details furnished in the application and photocopy of each, at the time of joining. Any discrepancies found in the certificate will attract the disqualification of applications. Non production of the original certificates at the time joining will also make the candidate disqualified.
9. Selected candidate may have to join the post immediately, on being found fit by Medical Authority.
10. Essential qualification, experience and age limit can be relaxed at the discretion of the appointing authority in exceptional cases.
11. Doctorate Degree will count as 3 years of experience (in case the doctorate degree is not mentioned as the essential qualification).
12. No TA/DA will be paid for attending the interview. For SC/ST candidates admissible TA/DA shall be considered as per Government of India orders.
13. CGPA grading is to be converted in percentage.
14. Online application submitted without scanned copies of the certificates will be rejected.
15. Applicants working in Government/ Semi-Government/ Public Sector Undertakings/ Autonomous bodies should produce the requisite 'No Objection Certificate' from their employer at the time of interview.
16. Director, IITM reserves the right to fill-up or not to fill up the post advertised without assigning any reasons thereof.
17. Canvassing in any form and /or bringing any influence, political or otherwise will be treated as disqualification of candidature. No interim correspondence/inquiry will be entertained.
18. **Details/updates regarding Phase-IV will be uploaded on the IITM website only.**

<b>PROJECT SCIENTIST - III</b>		
<b>Post Code</b>	:	<b>CVP2022-001</b>
<b>Name of the post</b>	:	<b>Project Scientist –III (Climate Variability and Prediction)</b>
<b>Number of post</b>	:	<b>01 No.</b>
<b>Essential Qualification</b>	:	<ul style="list-style-type: none"> <li>• Master’s Degree in Meteorology/ Oceanography/ Atmospheric Sciences/ Earth Sciences/Climate Sciences / Physics/ Geophysics (Meteorology)/ Electronics/Mathematics with minimum 60% marks from recognized university or equivalent.</li> </ul> <p style="text-align: center;"><b>OR</b></p> <p>Bachelor’s degree in Engineering or Technology with minimum 60% marks from recognized university or equivalent.</p> <ul style="list-style-type: none"> <li>• 7 years proven research experience in Climate Variability/ Climate Extremes/ Climate prediction/ Earth system modelling/ Climate modelling/ Coupled (ocean atmosphere) modelling/Sea ice modelling/Land surface modelling/Global Data Assimilation/Decadal prediction/Decadal Predictability/Decadal Variability.</li> </ul>
<b>Desirable Qualification</b>	:	<ul style="list-style-type: none"> <li>• Basic knowledge in model code handling. Working knowledge of Atmospheric, Oceanic and Coupled General Circulation Models and issues related to porting, installation and troubleshooting of dynamical models in HPC.</li> <li>• The experience should be demonstrated through scientific reports/publications.</li> <li>• Experience in using programming languages (like Python, FORTRAN-90, C/C++ etc); Shell scripting is needed. Ability to write and prepare model code using program language and shell scripts.</li> <li>• Knowledge of parallel computing and porting general circulation models on the high-performance computer architectures.</li> <li>• Experience in handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc.</li> <li>• A knowledge in meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc).</li> <li>• Ability to work in large groups.</li> <li>• Knowledge of UNIX/LINUX System Administration would be an added advantage.</li> </ul>
<b>Job Responsibilities</b>	:	Scientists will be responsible for developing decadal prediction system, handling the earth system model codes, its debugging etc. in HPC, preparing initial conditions for the decadal prediction system.
<b>Post Code</b>	:	<b>WiFEX2021-001</b>
<b>Name of the post</b>	:	<b>Project Scientist-III(WiFEX)</b>
<b>No of Positions</b>	:	<b>01 No.</b>
<b>Essential Qualification</b>	:	<ul style="list-style-type: none"> <li>• Doctoral Degree in Atmospheric Sciences/ Meteorology/ Physics/ Electronics/ Mathematics from recognized university or equivalent.</li> </ul> <p><b>AND</b></p> <p>Seven years of proven experience in conducting research and analyzing scientific data, specializing in field experiments and observations. Experience in designing field and laboratory experiments/measurements using state-of-the-art atmospheric chemistry instrumentation.</p>

<b>Desirable Qualification</b>	:	<ul style="list-style-type: none"> <li>• Experience in Atmospheric Measurement Techniques especially related to atmospheric chemistry, fog, and cloud.</li> <li>• Working with High Performance Computing System(HPCS)</li> <li>• Working in Programming languages (like FORTRAN 90, Python etc.),Shell scripting, Meteorological data analysis tools (like GrADS, MATLAB, Python, CDO etc.).</li> <li>• Handling of large volume of data and conversant with data format like Net CDF, HDF, GRIB etc.</li> </ul>
<b>Job Responsibilities</b>	:	<ul style="list-style-type: none"> <li>• The selected candidate will have to carry out atmospheric chemistry related measurements for locations anywhere across India.</li> </ul>
<b>Post Code</b>	:	<b>HPC2021-001</b>
<b>Name of the post</b>	:	<b>Project Scientist - III (For High Performance Computing Program)</b>
<b>Number of post</b>	:	<b>01 No.</b>
<b>Essential Qualification</b>	:	<p>(i) Master's Degree in Computer/Computational Science, Computer Application, Mathematics (including applied Maths and statistics), Physics and Meteorology or in other subjects with majors in computing, mathematics, or application to meteorology/ physics/ chemistry with minimum 60% marks from a recognized University or equivalent.</p> <p><b>Or</b></p> <p>Bachelor's Degree in Engineering, Technology with minimum 60% marks (equivalent CGPA) from a recognized University or equivalent;</p> <p><b>Or</b></p> <p>MS in interdisciplinary studies with minimum 60% marks (equivalent CGPA) from a recognized University or equivalent;</p> <p><b>And</b></p> <p>(ii) Seven years experience in (a) Application/System software or (b) AI/ML model development or (c) HPC System/Network administration</p>
<b>Desirable Qualification</b>	:	<ul style="list-style-type: none"> <li>• Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized University or equivalent.</li> <li>• Good knowledge of basic programming (Fortran, C, C++), Python and/or web technologies and/or Operating systems, parallel file systems &amp; Interconnect technologies.</li> <li>• Handling of large volume of data and conversant with data format like Net CDF, HDF, GRIB etc.</li> <li>• Experience in development of system software's, tools and applications used in high performance computing environment would be desirable.</li> <li>• Prior experience on the development of AI/ML models, such as regression problems.</li> <li>• Good experience in development of parallel code using high level languages and/or in Python.</li> <li>• Experience on visualization software or development of visualization tools.</li> <li>• Knowledge of HPC Systems Administration would be an added advantage.</li> </ul>
<b>Job Responsibilities</b>	:	<p><b>The project scientist is expected to be involved in some of the following projects</b></p> <ul style="list-style-type: none"> <li>• Development of AI/ML (deep learning) models for Earth Science problems.</li> <li>• Development and optimization of weather/climate forecasting (dynamical) models on latest supercomputers.</li> <li>• Development of 3D visualization libraries for model output data.</li> <li>• To work in the development and troubleshooting of various HPC applications-related issues. To work on the HPC system administration.</li> </ul>

## PROJECT SCIENTIST - II

<b>Post Code</b>	: ART_Bhopal2021-003A
<b>Name of the post</b>	: <b>Project Scientist - II</b> <b>(For ARTs/Atmospheric Instrumentation) (To be posted at ART-CI facility at Silkheda, Sehore District)</b>
<b>Number of post</b>	: <b>01 No.</b>
<b>Essential Qualification</b>	: <ul style="list-style-type: none"> <li>Master's Degree in Science (Atmospheric and Ocean Science/Meteorology/ Radio Physics) or Bachelor Degree in Engineering and Technology (Electronics / Instrumentation/ EEE/E&amp;T) from a recognized University or equivalent with at least 60% marks.</li> </ul> <p style="text-align: center;">AND</p> <ul style="list-style-type: none"> <li>Three years relevant experience in (i) operation /maintenance and calibration of atmospheric instrumentation relevant to Aerosol instrumentation, Atmospheric radiation (Radiation sensors, Sun Photometer, MFRSR), and Radiosonde operation (ii) demonstrated experience in participation in observational campaigns and interpretation of atmospheric observations.</li> </ul>
<b>Desirable Qualification</b>	: <ul style="list-style-type: none"> <li>Doctoral Degree in Science from a recognized University or equivalent.</li> <li>High quality publications in SCI index journals in the relevant field</li> <li>Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB etc.</li> <li>Ability to work in group and in remote environments.</li> <li>Familiarity with Linux and computer programming like Python, MATLAB, NCL, GrADS, CDO etc.</li> </ul>
<b>Job Responsibilities</b>	: To manage observational Systems related to Aerosol, Radiation and Rain measurements and operation & analysis of radiosonde data sets.
<b>Post Code</b>	: <b>URBMET-2024-002</b>
<b>Name of the post</b>	: <b>Project Scientist -II</b>
<b>Number of post</b>	: <b>02 Nos.</b>
<b>Essential Qualification</b>	: <p>Master's degree in Atmospheric Physics /Atmospheric Sciences/ Meteorology/ Environmental sciences with minimum 60% marks from a recognized University or equivalent.</p> <p style="text-align: center;"><b>OR</b></p> <p>Master's Degree in Engineering or Technology (Electronics/Instrumentation/EEE/Electronics &amp; Telecommunication/Mechanical/Aerospace) from a recognized University or equivalent.</p> <p style="text-align: center;"><b>AND</b></p> <ul style="list-style-type: none"> <li>Three years' experience in handling Atmospheric datasets including radar, wind profiler, LIDAR/ Numerical weather prediction models/ data sets/ model verification studies/ using AI/ML with such datasets.</li> </ul>
<b>Desirable Qualification</b>	: <ul style="list-style-type: none"> <li>PhD in Atmospheric Physics /Atmospheric Sciences/ Meteorology/ Environmental sciences</li> <li>Experience in handling large datasets with high-performance computers (HPC)</li> <li>Experience in handling observational datasets from AWS, radar, satellite</li> <li>Experience with Mesoscale modelling, hydrological modelling, verification studies and demonstrated through publications</li> </ul>
<b>Job Responsibilities</b>	: <ul style="list-style-type: none"> <li>Radar data analysis and rainfall estimation</li> <li>Urban flood forecasting and its verification</li> </ul>

	<ul style="list-style-type: none"> <li>• Required to make quality publications in the refereed journals and contribute to the knowledge in the field</li> <li>• The candidate is expected to work on the verification of a high-resolution numerical model for urban flood forecasting studies</li> <li>• Willingness to work in locations other than Pune, as required by the project</li> </ul>
<b>Post Code</b>	<b>: CAIPEEX2021-002</b>
<b>Name of the post</b>	<b>: Project Scientist -II CAIPEEX</b>
<b>Number of post</b>	<b>: 01 No.</b>
<b>Essential Qualification</b>	<ul style="list-style-type: none"> <li>• Masters degree in (Physics/Instrumentation/Meteorology) or BE /B.Tech (Electronics/Instrumentation/EEE/Electronics &amp;Telecommunication) from a recognized University or equivalent with at least 60% marks.</li> <li>• Three years work experience in projects related to instrumentation for aerosol measurements/ cloud seeding/cloud microphysics/radar operations and analysis in cloud seeding and cloud tracking algorithms/numerical simulation of cloud seeding and analysis of cloud microphysics/airborne observations.</li> </ul>
<b>Desirable Qualification</b>	<ul style="list-style-type: none"> <li>• Experience in handling aerosol observations with CCN counter, Ice nuclei counter, aethalometer, PILS, ACCESS, etc. Physical and chemical characterization of samples collected from airborne observations and from ground based samples</li> <li>• Upkeep of the meteorological instruments, with necessary calibrations and corrections and participate in field campaigns, Observational data quality control, documentation, analysis, etc.. Experience with radiosonde/tethersonde operations, surface meteorological instruments, field campaigns, airborne observations, etc.</li> <li>• Experience with radar operations, TITAN or other product development tools, etc.</li> <li>• Analysis of dual polarization radar data and numerical model diagnostics</li> <li>• Demonstrated experience with large eddy simulation of clouds and convection, aircraft observational data analysis.</li> </ul>
<b>Job Responsibilities</b>	<ul style="list-style-type: none"> <li>• Flare testing laboratory : setup a laboratory for the seeding material characterization and aerosol CCN and ice nucleation activation studies. Conduct sensitivity experiments in the setup.</li> <li>• Field operation of radiosonde, tethersonde, micrometeorological tower instrumentation, Operation of profiling instruments (Wind profiler, MWRP, wind lidar and sodar) and calibration, data acquisition, correction of data and related data analysis</li> <li>• To operate, calibrate and maintain the C-band radar onsite and ensure continuous operation for cloud seeding experiment, preparation of radar data and products for dissemination and analysis of radar observations.</li> </ul>
<b>Post Code</b>	<b>: AQEWS2021-002</b>
<b>Name of the post</b>	<b>: Project Scientist-II(For AQEWS Project)</b>
<b>Number of post</b>	<b>: 01 No.</b>
<b>Essential Qualification</b>	<p>Masters' Degree in Atmospheric Sciences/ Meteorology/ Physics/Chemistry/Electronics/ Mathematics with minimum 60% marks from a recognized University or equivalent.</p> <p><b>OR</b></p> <p>Bachelor's degree in Engineering or Technology in the above mentioned subject</p>

	with minimum 60% marks from a recognized University or equivalent. <b>AND</b> Three years of proven experience in conducting research and analyzing scientific data, specializing in field experiments and observations. Experience in designing field and laboratory experiments/measurements using state-of-the-art atmospheric chemistry instrumentation.
<b>Desirable Qualification</b>	<ul style="list-style-type: none"> <li>• Doctoral Degree in Atmospheric Sciences/ Meteorology/ Physics/Electronics/ Mathematics.</li> <li>• Experience in Atmospheric Measurement Techniques especially related to atmospheric chemistry, fog, and cloud.</li> <li>• Working with High Performance Computing System(HPCS)</li> <li>• Working in Programming languages (like FORTRAN 90, Python etc.), Shell scripting, Meteorological data analysis tools (like GrADS, MATLAB, Python, CDO etc.).</li> <li>• Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB etc.</li> </ul>
<b>Job Responsibilities</b>	The selected candidate will have to carry out atmospheric chemistry related measurements for locations anywhere across India.

<b>PROJECT SCIENTIST - I</b>	
<b>Post Code</b>	<b>URBMET2024-003</b>
<b>Name of the post</b>	<b>Project Scientist - I</b>
<b>Number of post</b>	<b>02 Nos.</b>
<b>Essential Qualification</b>	Masters in Science (Physics/ Chemistry/ Instrumentation/ Atmospheric Physics /Atmospheric Sciences/ Meteorology/ Environmental sciences)/Geophysics <b>OR</b> BE /BTech (Electronics/Instrumentation/EEE/Electronics & Telecommunication/Mechanical/Aerospace) from a recognized University or equivalent with at least 60% marks.
<b>Desirable Qualification</b>	<ul style="list-style-type: none"> <li>• Experience in handling large datasets with high-performance computer</li> <li>• Experience in handling observational datasets from radar, wind profiler and other meteorological instrumentation (aerosol spectrometers, CCN counter, aerosol and wind lidars) in the urban testbed</li> <li>• Experience with laboratory experiments, instrument calibrations and data analysis / Direct Numerical Simulation/large eddy simulation/numerical simulations/urban mesoscale models and demonstrated through publications</li> <li>• AI/ML experience.</li> </ul>

<b>Job Responsibilities</b>	: <ul style="list-style-type: none"> <li>• The candidate is expected to work on any one of the following : <ol style="list-style-type: none"> <li>A) the development of a high-resolution numerical model for urban studies</li> <li>B) Atmospheric process studies relating to heat stress and urban heat islands, wind stress, boundary layer fluxes etc.</li> <li>C) Radar data analysis and product development (such as QPE) for now casting</li> <li>D) Data assimilation for modelling framework</li> <li>E) Use of AI/ML models for urban high-resolution weather forecasting/now casting</li> <li>F) Involvement in the calibration and upkeep of urban testbed instruments and radars, including quality control and data archival for use by end users and researchers</li> </ol> </li> <li>• Help in the development of an urban model for precipitation and heat stress forecast</li> <li>• Carry out numerical modelling studies (Mesoscale modelling or Large Eddy Simulation and DNS studies) utilizing urban testbed data, model development and model evaluation.</li> <li>• Analyze AWS and micrometeorological tower data along with other data sets from the urban meteorology project for understanding urban boundary layer mixing, fluxes, human comfort, effect of ventilation pathways on fluxes etc.</li> <li>• Required to make quality publications in the refereed journals and contribute to the knowledge in the field</li> <li>• Willingness to work in locations other than Pune, as required <b>by</b> the project</li> </ul>
<b>Post Code</b>	: <b>PMOD2024-001</b>
<b>Name of the post</b>	: <b>Project Scientist – I (For SolParGeo Project)</b>
<b>Number of post</b>	: <b>02 Nos.</b>
<b>Essential Qualification</b>	: Master's Degree in Science (Physics / Mathematics / Chemistry / Meteorology Atmospheric Science) from a recognized University or equivalent with at least 60% marks.
<b>Desirable Qualification</b>	: <ol style="list-style-type: none"> <li>1. Skill in Computer programming using Python, AI/ML, FORTRAN, etc., shell scripting, acquainted with MATLAB software. Experience with Linux operating system.</li> <li>2. Handling of large volume data and conversant with dataformat like NetCDF, HDF, GRIB etc.</li> <li>3. Experience/Demonstrated skill in any one or more of the following areas as evidenced by peer-reviewed publication(s): <ul style="list-style-type: none"> <li>• Good understanding of Climate System, Tropical Atmospheric Dynamics, Monsoon Variability, Precipitation Extremes</li> <li>• Drivers of climate change (GHG, aerosols, land-use land cover changes, etc)</li> <li>• Data analysis related to climate science/CMIP / and coupled climate model.</li> </ul> </li> </ol>
<b>Job Responsibilities</b>	: The selected candidates will work on understanding the response of monsoon circulation and precipitation to stratospheric aerosol injections using IITM-ESM and GEOMIP modelling experiments.
<b>Post Code</b>	: <b>CVP2022-004</b>
<b>Name of the post</b>	: <b>Project Scientist I (Climate Variability and Prediction)</b>
<b>Number of post</b>	: <b>01 No.</b>



<b>Essential Qualification</b>	: Master's Degree in Physics/ Mathematics/ Meteorology/ Oceanography/ Atmospheric Sciences/ Statistics with minimum 60% marks from a recognized University or equivalent. <b>OR</b> Bachelor's degree in Engineering or Technology with minimum 60% marks from a recognized University or equivalent.
<b>Desirable Qualification</b>	: <ul style="list-style-type: none"> <li>• Two years of proven research experience after Master's degree in Decadal prediction/Climate prediction/ Earth system modelling/ Climate modelling /Seasonal prediction/Decadal variability/Indian Ocean Variability/ Atmospheric modelling/Ocean modelling/Coupled (ocean atmosphere) modelling/Monsoon teleconnection/Air Sea Interaction/ Climate extremes/Statistical and dynamical downscaling.</li> <li>• The experience should be demonstrated through scientific reports/publications/book chapters or higher academic degree (Masters in Engineering or Technology or Ph.D).</li> <li>• Knowledge in programming languages (like Python, FORTRAN- 90, C/C++ etc); Shell scripting and meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc).</li> <li>• Experience in handling of a large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc.</li> <li>• Ability to work in large groups.</li> <li>• Knowledge of UNIX/LINUX System Administration would be an added advantage.</li> </ul>
<b>Job Responsibilities</b>	: Scientists will be responsible for preparing the decadal hind casts, understanding the decadal variability of Indian monsoon and its teleconnection, Indian Ocean variability, analysis of CMIP6/CMIP5 decadal hind casts, historical simulations and projections, preparation of climate variability products.
<b>Post Code</b>	: <b>TD2021-007</b>
<b>Name of the post</b>	: <b>Project Scientist -I ( For Atmospheric Electric Observatory and Simulation lab)</b>
<b>Number of post</b>	: <b>01 No.</b>
<b>Essential Qualification</b>	: M. Sc. (Physics/Instrumentation/Meteorology/Atmospheric Sciences) <b>OR</b> BE (Electronics/Instrumentation/EEE/E&T/mechanical ) with at least 60% marks from a recognized University or equivalent.
<b>Desirable Qualification</b>	: <ul style="list-style-type: none"> <li>• Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized University or equivalent</li> <li>• 2 years demonstrated experience in handling/managing instruments and data analysis related to Lightning network and Atmospheric electricity.</li> <li>• Experience in measurement and data acquisition</li> <li>• Experience in Design of ultra-low voltage signal amplifier and signal conditioning.</li> <li>• Experience in high rate data transfer from DAQ to storage servers.</li> </ul>
<b>Job Responsibilities</b>	: The selected candidate is expected to work in Atmospheric electricity Observatory and Simulation Laboratory for micrometeorological studies.

<b>Post Code</b>	: <b>HACPL2024-001</b>
<b>Name of the post</b>	: <b>Project Scientist – I (For ARTs/ Radar Remote Sensing)</b>
<b>Number of post</b>	: <b>01 No. (To be posted at HACPL facility in Mahabaleshwar)</b>
<b>Essential Qualification</b>	: Master’s Degree in Science (Physics/Meteorology/ Atmospheric Science/ Electronics) <b>OR</b> Bachelor Degree in Engineering or Technology (Electronics/Instrumentation/ EEE/ECE/E&T/Radio Physics & Electronics) from a recognized University or equivalent with at least 60% marks.
<b>Desirable Qualification</b>	: <ul style="list-style-type: none"> <li>• Experience in the field of (i) Doppler Weather Radars or radar wind profilers, ii) processing, analysis and interpretation of Doppler weather radar or Radar wind profiler data sets.</li> <li>• Handling of large volume of radar data and conversant with dataformat like NetCDF, HDF, GRIB etc.</li> <li>• High quality publications in the SCI index journals</li> <li>• Ability to work in group and remote environments</li> <li>• Familiarity with Linux and computer programming like Python, MATLAB, NCL, GrADS, CDO etc.</li> </ul>
<b>Job Responsibilities</b>	: The Selected candidate has to work on to conduct/manage observational campaigns to study cloud- precipitation interactions using radars. This will involve radar calibration/validation, operation and maintenance and troubleshooting of radars.
<b>Post Code</b>	: <b>HACPL2024-002</b>
<b>Name of the post</b>	: <b>Project Scientist – I (For ARTs/ Radar Remote Sensing)</b>
<b>Number of post</b>	: <b>01 No. (To be posted at HACPL facility in Mahabaleshwar)</b>
<b>Essential Qualification</b>	: Master’s Degree in Science (Physics/Meteorology/ Atmospheric Science/ Electronics) <b>OR</b> Bachelor Degree in Engineering or Technology (Electronics/Computer/IT/Instrumentation/EEE/ECE/E&T/Radio Physics & Electronics) from a recognized University or equivalent with at least 60% marks.
<b>Desirable Qualification</b>	: <ul style="list-style-type: none"> <li>• Experience in the field of (i) Doppler Weather Radars or radar wind profilers, ii) processing, analysis and interpretation of Doppler weather radar or Radar wind profiler data sets.</li> <li>• Handling of large volume of radar data and conversant with dataformat like NetCDF, HDF, GRIB etc.</li> <li>• High quality publications in the SCI index journals</li> <li>• Ability to work in group and remote environments</li> <li>• Familiarity with Linux and computer programming like Python, MATLAB, NCL, GrADS, CDO etc.</li> </ul>
<b>Job Responsibilities</b>	: The selected candidates has to work on the following: <ol style="list-style-type: none"> <li>a) Radar data analysis and its associated product development such as Quantitative Precipitation Estimates (QPE), etc</li> <li>b) Development of Coding for Radar Data analysis</li> <li>c) Willingness to work in locations other than Mahabaleshwar, as required by the project</li> </ol>

<b>Post Code</b>	: <b>ART_Pune2024-001</b>
<b>Name of the post</b>	: <b>Project Scientist - I</b>
<b>Number of post</b>	: <b>01 No.</b>
<b>Essential Qualification</b>	: Master's Degree in Technology (Atmospheric Sciences/ Radio Physics and Electronics) from a recognized University or equivalent. <b>OR</b> Master's Degree in Science (Physics/Meteorology/ Atmospheric Science/ Electronics) from a recognized University or equivalent with at least 60% marks <b>OR</b> Bachelor Degree in Engineering or Technology (Electronics/Computer/IT/Instrumentation/EEE/ECE/E&T/Radio Physics & Electronics) from a recognized University or equivalent with at least 60% marks.
<b>Desirable Qualification</b>	: <ul style="list-style-type: none"> <li>• Relevant experience in operation/maintenance and analysis of data of atmospheric instrumentation relevant to weather parameters like Impact Disdrometer, Micro rain radar, rain gauge, microwave radiometer etc.</li> <li>• Demonstrated experience in participation in observational campaigns and interpretation of atmospheric observations.</li> <li>• High quality publications in SCI Index journals.</li> <li>• Handling of large volume of data and conversant with data format like NetCDF, HDF etc.</li> <li>• Familiarity with Linux and computer programming like Python, MATLAB, NCL, GrADS, CDO etc.</li> </ul>
<b>Job Responsibilities</b>	: <ul style="list-style-type: none"> <li>• To analyze the observational datasets</li> <li>• To manage the observational systems related to rainfall within and outside Pune</li> </ul>

### SENIOR PROJECT ASSOCIATE

<b>Post Code</b>	: <b>MAQWS2021-009</b>
<b>Name of the post</b>	: <b>Senior Project Associate (MAQWS)</b>
<b>No of Positions</b>	: <b>01 No.</b>
<b>Essential Qualification</b>	: MSc in Atmospheric Science/ GIS & Remote sensing or bachelor's degree in engineering or technology from a recognized University or equivalent. <b>AND</b> 4 years' experience in processing geospatial data of fire activities
<b>Desirable Qualification</b>	: Experience in handling air quality instruments & programming using MATLAB/Python/IDL/FORTRAN.
<b>Job Responsibilities</b>	: The selected candidate will work on development of Fire Emission Inventories using GIS,, machine learning, and remote sensing tools.

### PROJECT ASSOCIATE - II

<b>Post Code</b>	: <b>HACPL2021-009</b>
<b>Name of the post</b>	: <b>Project Associate - II ( For HACPL)</b>
<b>Number of post</b>	: <b>1 No. (To be posted at Mahabaleshwar, Satara District, Maharashtra)</b>
<b>Essential Qualification</b>	: <ul style="list-style-type: none"> <li>• Bachelor Degree in Electrical Engineering or Electrical &amp; Electronics Engineering from a recognized University or equivalent and</li> <li>• Two years' experience in the electrical works</li> </ul>

<b>Desirable Qualification</b>	:	Experience in (i) operation /maintenance of Electrical equipment's, UPS and HT sub-station.
<b>Job Responsibilities</b>	:	To maintain electrical sub-station and other electrical facilities in the site.
<b>Post Code</b>	:	<b>ART_Bhopal2021-007</b>
<b>Name of the post</b>	:	<b>Project Associate - II ( For ARTs/ Radar remote sensing)</b>
<b>Number of post</b>	:	<b>01 No. (To be posted at Silkheda, Sehore District, 50 km from Bhopal)</b>
<b>Essential Qualification</b>	:	<ul style="list-style-type: none"> <li>• Master's Degree in Science (Physics/Chemistry) <b>OR</b> Bachelor's Degree in Engineering or Technology (Electronics/Instrumentation/E&amp;TC) from a recognized University or equivalent.</li> <li>• Two years' experience in relevant field of electronics and instrumentation maintenance.</li> </ul>
<b>Desirable Qualification</b>	:	Experience in Electronics and Atmospheric Instrumentation in research lab/industries
<b>Job Responsibilities</b>	:	To Assist in Radar and other atmospheric Instrumentation operations and maintenance at ART-CI Facility in Madhya Pradesh.

<b>PROJECT ASSOCIATE - I</b>		
<b>Post Code</b>	:	<b>NMM2024-001</b>
<b>Name of the post</b>	:	<b>Project Associate-I</b>
<b>Number of post</b>	:	<b>25 Nos.</b>
<b>Essential Qualification</b>	:	<p>Master's Degree in Physics, Applied Physics, Mathematics, Applied Mathematics, Statistics, Atmospheric Sciences, Meteorology, Oceanography, Climate Science, Environmental Sciences, Geophysics with Meteorology as one of the subject from a recognized University or equivalent.</p> <p>OR</p> <p>Bachelor's degree in Engineering or Technology from a recognized University or equivalent.</p>
<b>Desirable Qualification</b>	:	Knowledge in Fortran, software such as GrADS, NCL, Python, Matlab, etc and background knowledge in monsoon and its variability
<b>Job Responsibilities</b>	:	Analysis of monsoon mission model output for prediction and process studies on short-medium, extended and seasonal scale monsoon variability.
<b>Post Code</b>	:	<b>CAIPEEX2022-001</b>
<b>Name of the post</b>	:	<b>Project Associate I</b>
<b>Number of post</b>	:	<b>02 Nos.</b>
<b>Essential Qualification</b>	:	Master's Degree in Science (Physics, Chemistry, Atmospheric Physics /Atmospheric Sciences/Meteorology) from a recognized University or equivalent
<b>Desirable Qualification</b>	:	Experience with atmospheric data analysis, Numerical Models, Programming skills with Fortran/ Python / C or C++. Experience with simulations of atmospheric flows using mesoscale models.
<b>Job Responsibilities</b>	:	Radar data analysis, numerical modelling, aerosol-cloud-precipitation interaction studies, radiative forcing calculations, preparation of publication-quality manuscripts.

<b>Post Code</b>	: <b>URBMET2024-004</b>
<b>Name of the post</b>	: <b>Project Associate I</b>
<b>Number of post</b>	: <b>04 Nos.</b>
<b>Essential Qualification</b>	: Master's Degree in Science (Physics, Chemistry, Atmospheric Physics /Atmospheric Sciences/Meteorology) from a recognized University or equivalent
<b>Desirable Qualification</b>	: Experience with atmospheric data analysis, Numerical Models, Programming skills with Fortran/ Python / C or C++. Experience with simulations of atmospheric flows using mesoscale models.
<b>Job Responsibilities</b>	: Radar data analysis, numerical modelling, aerosol-cloud-precipitation interaction studies, radiative forcing calculations, preparation of publication-quality manuscripts.
<b>Post Code</b>	: <b>MAQWS2021-008</b>
<b>Name of the post</b>	: <b>Project Associate-I (MAQWS)</b>
<b>No of Positions</b>	: <b>01 No.</b>
<b>Essential Qualification</b>	: M.Sc. Degree in Atmospheric Science/ Physics/Meteorology/Atmospheric Physics from a recognized university or equivalent.
<b>Desirable Qualification</b>	: Experience of handling atmospheric chemistry instruments.
<b>Job Responsibilities</b>	: The candidate will be responsible for carrying out measurements using atmospheric chemistry instruments

<b>Post Code</b>	: <b>NMM2021-001</b>
<b>Name of the post</b>	: <b>Project Manager</b>
<b>Number of post</b>	: <b>01 No.</b>
<b>Essential Qualification</b>	: <ul style="list-style-type: none"> <li>• Ph.D. in the fields of Ocean/atmospheric sciences/ Physics/ Mathematics from a recognized University or equivalent.</li> <li>• 20 years' experience in project management.</li> </ul>
<b>Desirable Qualification</b>	: <ul style="list-style-type: none"> <li>• Good knowledge of Information Technology (IT) and Computer operation.</li> <li>• Experience in heading national and international projects</li> <li>• A short write up less than a page on challenges overcome and innovation made in immediate past job may be included along with the application</li> <li>• Retired officials with relevant experience may also apply.</li> </ul>
<b>Job Responsibilities</b>	: <ul style="list-style-type: none"> <li>• He/She will be responsible for project management of Monsoon Mission. Organizing review meetings keeping records of project funds under Monsoon mission etc.</li> </ul>
<b>Post Code</b>	: <b>CVP2022-007</b>
<b>Name of the post</b>	: <b>Project Consultant (Climate Variability and Prediction)</b>
<b>Number of post</b>	: <b>02 Nos.</b>
<b>Essential Qualification</b>	: <ul style="list-style-type: none"> <li>• Ph.D. in the fields of Ocean/atmospheric/climate sciences/geophysics/hydrology/hydrometeorology/Physics/ Mathematics or Master's degree in Engineering or Technology from a recognized University or equivalent.</li> <li>• 15 years' experience in project management or 15 years of</li> </ul>

		experience in climate prediction, climate variability, climate product development and climate services.
<b>Desirable Qualification</b>	:	<ul style="list-style-type: none"> <li>• Experience in climate services.</li> <li>• Good knowledge on the applications of climate prediction.</li> <li>• Retired officials with relevant experience may also apply.</li> </ul>
<b>Job Responsibilities</b>	:	He/She will be responsible for guiding/carrying out research projects relevant to climate variability and prediction and developing climate variability and prediction products.
<b>Post Code</b>	:	<b>DESK2021-004</b>
<b>Name of the post</b>	:	<b>Program Manager</b>
<b>Number of post</b>	:	<b>01 No.</b>
<b>Essential Qualification</b>	:	<ul style="list-style-type: none"> <li>• Ph.D. in the fields of Ocean Sciences/ Atmospheric Sciences/Marine Sciences/ Physics/ Mathematics/ Environmental Science/ Engineering from a recognized University or equivalent.</li> <li>• 15 years' experience in relevant field.</li> </ul>
<b>Desirable Qualification</b>	:	<ul style="list-style-type: none"> <li>• Experience in Govt/PSU/Autonomous bodies with last five years in Director or Program Director or Chief Scientist level or <b>Scientist G level</b>.</li> <li>• Coordination of various Academic Programs at Post graduate and/or PhD level.</li> <li>• Experience in heading national and international projects, organizing conferences/workshop/training programs.</li> <li>• A short write up less than a page on challenges you have overcome and innovation you made in your immediate past job may be included along with the application with special emphasis on Academic Programs coordinated on masters or higher degrees.</li> <li>• Retired officials with relevant experience may also apply.</li> </ul>
<b>Job Responsibilities</b>	:	<ul style="list-style-type: none"> <li>• He/She will be responsible for project management of Ministry's (MoES) Development of Skilled Manpower in Earth System Science (DESK) functioning at IITM Pune.</li> <li>• Organizing short and medium duration training programs, targeted training program on specific areas, conducting workshops (online/offline) and Planning and Coordination of International PhD program for the ministry (MoES) focusing on BIMSTEC nations.</li> </ul>